

Applic. No. 10/813,994
Art Unit: 2874

AMENDMENTS TO THE SPECIFICATION:

At page 32 of the Specification, please amend the Abstract of the Disclosure as follows:

Abstract of the Disclosure:

A sealing feature for a multiple-piece housing for optoelectronic devices. The housing provides EMI shielding and axial strain suppression for optical fibers coupled to optoelectronic devices retained within the housing. The housing includes an internal septum for EMI shielding and a grounding scheme including relief features of the conductive housing coupled to internal grounding strips. The housing provides a first exemplary engaging/locking feature including an orthogonal tongue and a groove that receives the tongue, and a second exemplary engaging/locking feature that includes a groove having an intermittently varying cross-sectional area and that retains a gasket of constant cross-sectional area. Arms extend from the housing and retain an optical fiber that is secured to the arm by an adhesive such that axial strain is not exerted at the point of optical coupling and a high optical coupling efficiency is maintained. In an exemplary embodiment, the sealing feature includes a corrugated channel having a cross-sectional area that varies along the longitudinal direction of said channel and the channel retains a gasket having a substantially constant cross-sectional area. The corrugated channel, which receives the gasket, includes varying wide and narrow sections. housing includes an opening through a bottom surface, the opening bounded by beveled edges to aid in blind alignment of the housing over components formed on a mounting surface. The bottom of the housing includes a recessed portion that retains a gasket. The recessed portion receives a gasket of constant thickness and includes a gap of varying thickness that The sealing feature provides for sufficient compression throughout the gasket and a tight, EMI-shielding seal formed between the pieces of the housing and the mounting surface.

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At page 23, lines 8-23 of the Specification, please amend the Specification as follows:

Exemplary rounded projections 135 extend into irregular channel 131 to vary the cross-sectional area of irregular channel 131 along the longitudinal direction. Although shown as rounded projections 135 that extend into irregular channel 131 in each of FIGS. 11 and 12, various other configurations for producing a channel having an intermittently varying cross-sectional area along its longitudinal direction may be used. Furthermore, the indentations that project into irregular channel 131 need not be formed at opposed locations and across from each other within the channel. In an exemplary embodiment, irregular channel 131 includes regularly repeating minimal cross-sectional area portions. FIG. 13A is a top view of the irregular channel. Corrugated or irregular channel 131 includes narrow sections 141 and wide sections 143. Irregular channel 131 extends downward from upper sealing surface 133. Gasket 139 is included within irregular channel 131. Gasket 139 includes a generally constant cross-sectional area indicated by diameter 145 according to the embodiment in which gasket 139 is round. A cross-sectional view taken along ~~line 1313-1313~~ line 13B-13B of wide section 143 is shown in FIG. 13B.